

LITTLE COLORADO RIVER BASIN

09384200 LYMAN RESERVOIR TRIBUTARY NEAR ST. JOHNS, AZ

LOCATION.--Lat 34°23'30", long 109°22'48", in SE¹/₄NE¹/₄, sec.9, T.11 N., R.28 E., Apache County, Hydrologic Unit 15020002, at Lyman Reservoir Road, 10 mi south of St. Johns.

DRAINAGE AREA.--0.24 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1963	08-26-63	101		1970	07-20-70	33	
1964	08-11-64	53		1971	08-00-71	60	
1965	08-02-65	42		1972	07-24-72	64	
1966	09-30-66	52		1973	07-00-73	5.0	
1967	00-00-67	48		1974	00-00-74	0	
1968	00-00-68	1.0	LT	1975	09-06-75	3.0	ES
1969	09-00-69	7.0		1976	00-00-76	60	

Magnitude and probability of instantaneous peak flow based on period of record 1963-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
42.8	62	74.9	91.4	104	116
Weighted skew	(logs) =	-0.11			
Mean	(logs) =	1.63			
Standard dev.	(logs) =	0.20			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
267	1.0	6,100	58.0	3.0	11.6	1.6	3.3

